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SUPERVISION of Academic THESIS and Projects

PhD Thesis (University of Crete)

- Ch Xirouhaki 1994-1998
- K. Moschovis /part-time 2005-
- M. Sucheas 2005- 2009
- Ch. Koliakoudakis 2006- 2011
- Z. Viskadourakis , Materials Dpt. 2006- 2009
- E. Gagaoudakis 2012-
- D. Louloudakis 2012-
- D. Papadaki 2013-

MSc Thesis

- D.Skarlatos 1992-1993
- E.Gagaoudakis 1999-2000
- E. Natsakou 2000-2001
- M.Suchea 2002-2004
- I. Kortidis 2007-2009
- K. Sambani 2009-2010
- J. Fraggos 2011-2012
- Ch. Zervos 2011-2012
- J. Michael 2011-2012
- A. Michos 2012-

Final Year Project Thesis

- Ch.Berge (Fr) 1990
- A.Gerouki 1990
- E.Kariniotaki 1994
- G.Vasiliou 1995
- S.Nikolaki 1996
- A.Dimitriadou 1997

- **E.Gagaoudakis** 1998
- **E. Chourdakis** 2000
- **M. Nikolopoulou** 2004
- **A. Michos** 2009
- **Ch. Orfanou** 2010
- **A. Anastasiadou** 2010
- **I. Pateraki** 2011
- **Ch. Karperakis** 2012
- **A. Leontaraki** 2012
- **A. Zachopoulos** 2012
- **A. Sfakianaki** 2013

International Internships

- **Karolina Sieradzka, Wroclaw Univ. of Tech. , Poland, Summer 2010**
- **Marcin Lapinski, Wroclaw Univ. of Tech., Poland, Summer 2010**
- **Celine Mayousse, INP-ENSIACET, Toulouse, France, Summer 2010**

External Thesis evaluator-Examiner / Committee member

- **Dr. A. Gurlo, Habilitation Thesis/ Darmstadt Univ. Germany 2009**
- **K. Mitsakakis, PhD Thesis/ Biology Dpt. Univ. of Crete 2009**
- **S. Parthiban, PhD Thesis, India 2010**
- **Naeem Shahzad, Institute of Envir. Sciences and Eng. (IESE), NUST, Pakistan 2012**
- **M. Joseph Sitholi, PhD Thesis, Univ. of Western Cape, S. Africa 2012**
- **P. P. Sahay, PhD Thesis , Motilal Nehru NIT, Allahabad, India 2013**
- **Ger Hickey, PhD Thesis, Univ. of Limerick, Ireland 2013**

SCIENTIFIC Book Chapter

1. **E. Chatzitheodoridis, G. Kiriakidis, I. Lyon**, (2002), "Chapter 13: Secondary ion mass spectrometry and its application to thin film characterisation", in Handbook of Thin Film Materials, volume 2: Characterisation and Spectroscopy of Thin Films, H.S. Nalwa (editor), pp. 637-683. Academic Press 2002.

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1. **G. Carter, J. Whitton and G. Kiriakidis** , Editors, NATO / ASI , “Erosion and Growth of Solids Stimulated by Atom and Ion Beams”, Martinus Nijhoff, Series E. Applied Sciences , No 112, 1986.
2. **G.Kiriakidis, Editor, Guest Editors: M. I. Baraton and S. Mao** (2007) Proceedings of TCO2006 Crete Greece, Applied Physics A: Materials Science & Processing, Volume 89, Number 1 / October, 2007.
3. **G. Kiriakidis, Editor, Guest Editors: M. I. Baraton and S. Mao** (2007) Proceedings of TCO2006 Crete Greece, Thin Solid Films, Vol. 515 No 24 , October 2007.
4. **G. Kiriakidis, Editor, Guest Editors: E. Fortunato, L. Vayssieres, S.Y. Lee and C. Bright** (2009), Thin Solid Films, Vol. 518 No 4 , December 2009. Proceedings of TCO2008 Crete Greece
5. **G. Kiriakidis, Guest Editor: VACUUM** Vol 86, Special Issue 5 SENSORS, January 2012

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1. NATO / ASI , “Erosion and Growth of Solids Stimulated by Atom and Ion Beams”, Agia Pellagia, Crete, 1986. Co-Chair
2. ECNM Workshop on “Dielectric properties of Nanomaterials”, ENEA, Frascati, Italy, 22-23 Oct. 1999.
3. COST 268, Workshop on “Optical and mm-wave Photonic Band-gap Applications”, Forth, Crete, GR. 18-19 Oct.,1999.
4. 1st Int.Conference on “Nanomaterials and Nanotechnologies-NN2003” Crete, Aug.30- Sept.6, 2003. Member of the Organization Committee.
5. Environmental monitoring: Gas sensor materials and devices ,8th WSEAS International Conference Vouliagmeni, Athens, Greece, July 12-15, 2004.
6. 2nd Intern. Conference on Nanomaterials and Nanotechnologies (NN2005), Crete, June 2005. Member of the Organization Committee.
7. 4th EUROPEAN SHORT COURSE OF THE NOSE II NETWORK “Fundamentals of sensor system technology” Analipsi, Crete ,Greece, .9th – 14th October 2005, co-organizer
8. 1st Int. Symposium on Transparent Conducting Oxides IS-TCO2006, Crete 23-25 October 2006. Chairperson / Organizer.
9. E-MRS 2007 Spring Meeting, Symposium I “Advances in Transparent Electronics: from materials to devices II”, Symposium co-Organizer.
10. 3rd Int. Conf. “Micro & Nano 2007” on Microelectronics, Microsystems and Nanotechnology, NCSR Demokritos, 18-21 Nov. 2007. Member of the Organization Committee.
11. E-MRS 2008 Fall meeting Symposium E, co-organizer
12. REM 2 Sept 2008, co-organizer
13. XXI Pan. Conf. on Solid State Physics, Sept 2008, co-organizer
14. 2nd Int. Symposium on Transparent Conducting Oxides IS-TCO2008, Crete 22-26, October 2008. Chair / Organizer
15. ICO-Photonics-Delphi 2009, Member of the International Scientific committee
16. 3rd Int. Symposium on Transparent Conducting Materials IS-TCM2010, Crete 17-21, October 2010. Chair / Organizer
17. E-MRS Fall meeting Symposium I, Warsaw September 2011. Chair/Organizer
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SCIENTIFIC in International/National Conferences

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2. **G.W. Lewis, G. Kiriakidis, G. Carter, M.J. Nobes**, "Ion Bombardment Induced Surface Topography Modification of Clear and Contaminated Single Crystal Cu and Si", *"Int. Conf. on Quantative Surface Analysis"*, held at the National Physics Laboratory, Teddington, UK, 24-25 Nov., 1981.
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4. **G.Kiriakidis, J.L. Whitton, G. Carter, M.J. Nobes, G.W. Lewis**, "Surface Topographical Changes on (11 3 1) Copper Surfaces Bombarded With 40 keV N⁺, Ne⁺, Ar⁺, Cu⁺, Kr⁺ and Ke⁺ Ions". *"Surface Engineering" ASI at Les Arcs, France*, 3-15 July, 1983. Martinus Nijhoff (1986) SERIES E: Applied Sciences No. 112.
5. **J.L. Whitton, G. Kiriakidis, G. Carter, M.J. Nobes, G.W. Lewis**, "The Development of Sputter-induced Pits and Pyramids on Ion Bombarded (11 3 1) Surfaces of Face Centred Cubic Metal Single Crystals". *10th Inter. Conference on "Atomic Collisions in Solids"*, Bad-Iburg, F.R. Germany , July 18-22, 1983.
6. **S. Kostic, G. Kiriakidis, M.J. Nobes and G. Carter**, "The Influence of Incidence Angle on Damage Production in In⁺ Ion Implanted Si". *ASI on "Erosion and Growth of Solids Stimulated by Atom and Ion Beams"*, Crete, Sept. 1985, Martinus Nijhoff, Series E. Applied Sciences, No.112 pp. 423-430 (1986), edited by G. Kiriakidis, G. Carter and J. Whitton.
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22. **G. Kiriakidis, W.T. Anderson, Z. Hatzopoulos, C. Michelakis and D.V. Morgan**, "Metal Contact Degradation on III-V Compound Semiconductors", NATO ARW, Crete, June 1989. (**Invited talk**). *NATO ASI series E : Applied Sciences*, Kluwer Publishers, Eds A. Christou, B.A. Unger, Vol. 175 (1990) 269-289.
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29. **A. Georgakilas, M. Lagadas, C. Michelakis, E. Roditi, G. Kiriakidis and A. Christou**, "Heteroepitaxial GaAs on Si with a Si Buffer Layer" *Proc.of the VII Hellenic Conference on Solid State Physics*, Crete, Sept. 1991

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35. **G. Kiriakidis and S. Logothetidis**, "Study of Heterojunction " a-Si:H/uc-Si:H for Photovoltaic devices" *Proc.of the IV National Conference on Solar Energy*, Xanthi, October 1992.
36. **G. Kiriakidis (invited talk)** "Refractory Metallizations on GaAs FET's " *Greek-Hungarian Workshop*, Budapest 9-14/9/1993.
37. **G. Kiriakidis, E. Aperathitis, Ch. Xirouchaki, Ch. Dimitriadis, D. Tassis, S. Kokou, S. Logothetidis S. Bouladakis**, "Rapid Thermal Annealing of Sputtering Semiconducting μ -FeSi₂". *Proc.of the IX Hellenic Conference on Solid State Physics*. Patra Sept. 1993.
38. **C. Xirouchaki, E. Kariniotaki, G. Kiriakidis**, "Influence of oxygen in the conductivity of thin In and Sn films", *X Hellenic Conference on Solid State Physics*, Delphi, Sept. 1994.
39. **C. Xirouchaki, G. Kiriakidis, G. Vasiliou, and H. Fritzsche**, "Photoreduction and Oxidation of as-deposited Microcrystalline Indium Oxide" *X Hellenic Conference on Solid State Physics*, Delphi, Sept. 1994.
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41. **N.S. Garawal, M. Jioti, S. Logothetidis, I. Stoimenos and G. Kiriakidis**, "A Study of surface and sub-surface Imperfections of ZnSe Layers with Spectroscopic Ellipsometry". *Proc.of the XI Hellenic Conference on Solid State Physics*, Technical Univ. of Xanthi, Sept.,1995.

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